

Memoranda

HOWLAND ISLAND
JANUARY 16, 1967

1500 Arr.	7 man
1500 17 Jan.	6 man { Smith (or Tux & Mike)
2000 18 Jan	7 man { reverse

KENNETH BALCOMR

✓ MD P
CDT

Done 3/8/63

turned
- 83400

Bands Issued -

17 JAN

777-51003 - 51100

923-82001 - 84000

83501 - 83400
returned

~~923~~

19 JAN

923-88501 - 89500

cloudy, cloudy

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

1000 - 1000

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O

NEST COUNT

16 JAN, 1967

	BFB	BB	RFB	
w/ 1 EGG	XXXII	(12) 1 (29)	XXI	(6)
w/ 2 EGG	XXI	(6) (26)		
w/ SM CHICK	XX XXXX XXXII	(1) (23) 1 (58)		
w/ sm CHICK + 1 EGG	I	(3)		
w/ LG CHICK	XXXIII XXXX XXXII (22) (56)	III	III	(3)
w/ IMM.	XXX XXXX XXXII XXX XXX XXX	III	XXX	(9)
	XXX III	(63) I		
		163		

NEST CT. 16 JAN

GF

Y EGG ~~MM MM MM~~ I

IMM ~~MM MM~~ I

Shaebird

16 JAN

~~RT~~ ~~MM~~

Recovery - 16 JAN

568-70633 BFB

70679 "

19 JAN, 1967

I	3:60	100	261 15 1305 265 391,590 3 24 0
II	8:60	100	156 0
III	5:60	100	183 796 0
IV	6:60	100	931
V	6:60	100	
VI	8:60	100	
VII	<u>36:60</u>	<u>70</u>	
		$\frac{70}{670 \times 3} = 2010$	

$$\text{home } 300 \times 3$$

$$\begin{aligned} &0 - \\ \text{I} &8:60 100 \\ \text{II} &5:60 \underline{100} \\ 49:480 &200 \times 3 = 600 \\ &= 2,610 \times 150 \end{aligned}$$

Sooty tern colony ~ 17 Jan, 1967

The colony is located on the runway area in the southeastern quarter of the island. It is an average of 250' wide in a belt that extends from the southern tip to the middle of the island ie- $\frac{3}{4}$ mile (4,000 ft).

The nest densities for 3 sample 100 sq' plots were 12,30, & 31, for an average of 24/100 sq'. for 1,000,000 sq' nests $\cong 240,000$ nests or 480,000 birds.

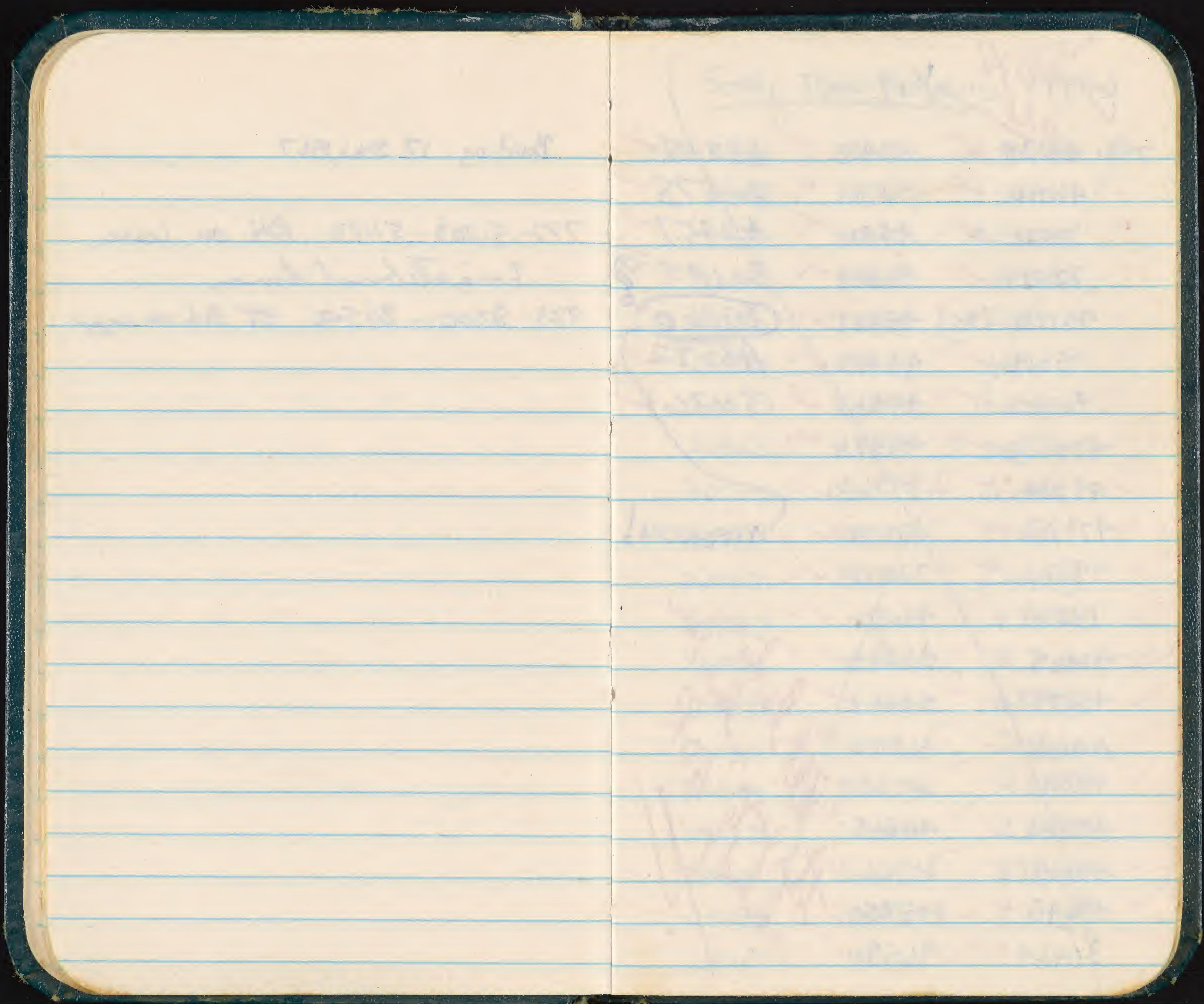
heard 1 imm sooty on night 18 Jan

Banding 17 JAN, 1967

777-51003-51100 Ad on lesser

Frigatebird Lessor

923-82001-83500 ST Ad on egg



VADP ✓ Y17
all

793-48339 ✓ 43403 ✓ 43858 ✓
46096 ✓ 43781 ✓ 44578 ✓
72921 ✓ 45911 ✓ 46357 ✓
72927 ✓ 46869 ✓ 36145 ?
45129 (BS) 44987 ✓ 29860
45319 ✓ 43743 ✓ 48592
46762 ✓ 49487 ✓ 31126 ✓
47453 ✓ 49971 ✓
44580 ✓ 44362 ✓
47333 ✓ 47638 ✓ MAGNUM!
49321 ✓ 72838 ✓
72561 ✓ 49080 ✓
47465 ✓ 46034 ✓
43674? ✓ 48767 ✓
44106 ✓ 46372 ✓
44210 ✓ 47237 ✓
48382 ✓ 44845 ✓
44014 ✓ 30766 ✓
43645 ✓ 45859 ✓
30469 ✓ 46590 ✓

All bands on page, same here
checked for ADP

Sooty TERN RETURNS ✓ VADP 17 JAN

773-29861 ✓ 22012 ✓ 39506 ✓
20115 ✓ 27207 ✓ 29215 ✓
21280 ✓ 28653 ✓ 26635 ✓
20796 ✓ 25367 ✓ 23936 ✓
25812 ✓ 21414 ✓ 24539 ✓
24224 ✓ 25137 ✓ 20061 ✓
20217 ✓ 26423 ✓ 24253 ✓
26823 ✓ 27635 ✓ 26255 ✓
20777 ✓ 29933 ✓ 26374 ✓
23151 ✓ 39994 ✓ 27451 ✓
24127 ✓ 26271 ✓ 20153 ✓
27537 ✓ 27624 ✓ 27500 ✓
26911 ✓ 20452 ✓ 22205 ✓
24571 ✓ 23439 ✓ 25981 ✓
20305 ✓ 20116 ✓ 28606 ✓
25399 ✓ 39939 ✓ 21997 ✓
29038 ✓ 29548 ✓ 23486 ✓
21966 ✓ 26120 ✓ 27697 ✓
29338 ✓ 27657 ✓ 29087 ✓
21507 ✓ 29109 ✓

✓ADP

Y₁₇

823 - 01921 ✓
01953 ✓

✓ADP
Y₁₇

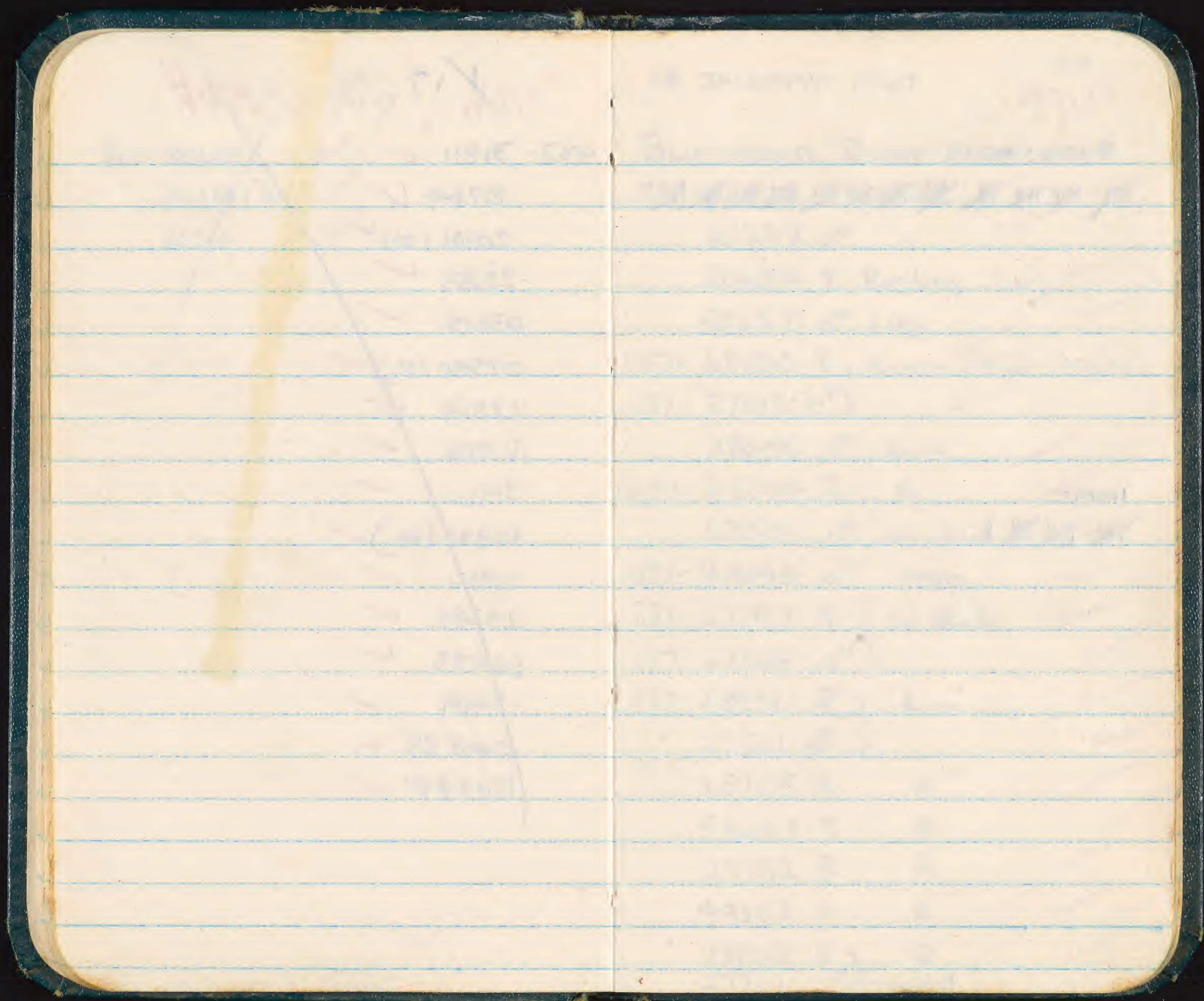
843 - 38472 ✓ 36060 ✓ 37876 ✓
55463 ✓ 37873 ✓ 55844 ✓
55247 ✓ 39431 ✓ 36338 ✓
36499 ✓ 38450 ✓ 55059 ✓
55734 ✓ 37266 ✓ 36399 ✓
38201 ✓ 55580 ✓ 55816 ✓
37541 ✓ 3626 ✓ 35152 ✓
38534 ✓ 35731 ✓ 36349 ✓
35394 ✓ 38711 ✓
35718 ✓ 36249 ✓
39114 ✓ 35142 ✓
39038 ✓ 55469 ✓
37430 ✓ 35971 ✓
37370 ✓ 35937 ✓
37234 ✓ 38256 & 1
35358 ✓ 36083 ✓
36084 ✓ 55047 ✓
36050 ✓ 36415 ✓
38016 ✓ 36422 ✓
35825 ✓ 55678 ✓

Y17 ✓ ADP

863-80608 ✓
80200 (BS) ✓
8030 ✓

Y17 ✓ ADP

953-31811 ✓
10764 ✓
20531 (BS) ✓
22559 ✓
03815 ✓
07540 (BS) ✓
12859 ✓
11928 ✓
31961 ✓
06330 (BS) ✓
10912 ✓
23743 ✓
06983 ✓
13409 ✓
04838 ✓
06344 ✓



18 JANUARY, 1967

205

VADP

BIRDS: AD:

~~III III III III III III III III III III~~

IMM:

~~111~~ ~~111~~ ~~111~~ 1

BLUE-FACED Booby RETURNS

737-28504 ♂ lg chick

23582 ♂

20684 ♀ Roosting (ar)

53257 ♂ 1 egg

757-63230 ♀, imm^r (568-70626)

737-27513 ♂

28645 ♂ Imm

757-63004 ♀ R

63306 ♂ sm chick

587-84043 ♂ 2 eggs

737-27797 ♀, 5m chick

757-63864 ♂ }

737-28971 ♀? Lm

27501 ፳

20705 ♀ R

53203 ♀ R

27712 ♀ R

49532 ♀ R

28808 ♀ 2 R

27711 ♂ bled

Y18 ✓ ATP

AD: ~~XXX XXX XXX XXX XXX XXX~~
~~XXX XXX XXX XXX XXX XXX~~

INM: ~~XXX XXX XXX XXX~~ 1

- 737-28923 ♂ 2 egg ✓
757-63016 ♀ R ✓
737-27710 ♂ sm chick ✓
27540 ♀ R ✓
737-53382 ♀ sm chick ✓
737-82126 ♀ " ✓
82255 ♂ imm downy ✓
27627 ♀ R ✓
26626 ♀ R ✓
49547 ♂ R ✓
28540 ♀ } R ✓
27564 ♂ } ✓
49534 ♀ } R ✓
22805 ♂ } ✓
28957 ♀ } empty nest ✓
53236 ♂ } ✓
39660 ♂ R ✓
27653 ♂ 1 egg ✓
27652 ♂ ✓
26659 ♀ } R ✓
39661 ♂ } ✓

Y18 ✓ ADP

AD: 34, 100 (chub)

737-39645 ♀ R ✓

39662 ♀ } lg chick ✓

49584 ♂ }

23552 ♀ R ✓

27672 ♂ }

37583 ♀ }

26653 ♀ R ✓

49552 ♂ sm chick ✓

49866 ♀ sm chick ✓

27671 ♀ }

39647 ♂ }

25885 ♀ R ✓

23550 ♂ }

49524 ♀ }

27681 ♂ 2 eggs ✓

27696 ♀ R ✓

39857 ♀ sm chick ✓

27685 ♂ R ✓

39668 ♀ R ✓

37588 ♀ R ✓

IMM: 1

unbanded: III

AD: ~~MM~~ ~~MM~~ ~~III~~ I , 87

Y₁₈ ✓ ASP

737-39674 ♀ } on egg ✓
39856 ♂ }

27697 ♂ R ✓

37585 ♀ R ✓

757-65009 ♂ R ✓

737-27885 ♂ } sm chick ✓
82 noband ♀ }

737-82265 ♂ } lg chick ✓

27600 ♀ ✓

81502 ? club ✓

757-60977 ♀ R ✓

737-28552 ♂ R ✓

49664 ♀ } R ✓

39688 ♂ }

39890 ♀ } lg chick ✓

49576 ♂ }

49574 ♀ } lg chick ✓

39886 ♂ } sm ✓

27952 ♂ } lg chick ✓

39559 ♀ ✓

IMM: ~~MM~~ III

Y18 ✓ ADP

AO:

737-20712 ♀ }

R ✓

26685 ♂ }

✓

20564 ♀ } lg chick

49824 ♂ }

✓

28643 ♀ lg chick

25878 ♀ imm

✓

39687 ♂ sm chick

✓

39738 ♀ lg chick

✓

28921 ♂ lg chick

✓

39734 ♀ sm chick

✓

53126 ♀ lg chick

✓

39719 ♀ 1 egg

✓

39710 ♂ 1 egg

✓

27523 ♂ } sm chick

✓

53254 ♀ }

✓

49593 ♀ R

✓

49670 ♂ R

✓

49586 ♂? 1 egg

✓

39729 ♂ } R

✓

25899 ♀ }

✓

MM: 1

Y18

✓ADP

AD III III II

- 737-49601 ♀ 2eggs ✓
39694 ♂ 1egg ✓
558-85053 ♀ } lg chick ✓
737-27784 ♂ } ✓
27587 ♀ } R ✓
27586 ♂ } ✓
28598 ♂ } lg chick ✓
53415 ♂ } sm chick ✓
39926 ♂ } R ✓
587-83432 ♂ } dm ✓
737-39753 ♀ } ✓
39780 ♂ 2eggs ✓
39777 ♂ 1egg ✓
20941 ♂ 2eggs ✓
49746 ♂ R ✓
27826 ♂ R ✓
28618 ♀ dm ✓
49606 ♂ 2eggs ✓
49597 ♂ } dm ✓
21265 ♀ }

MM : III II

✓ADP

AO: ~~XXXXXX~~

~~XXX~~

IMM: ~~XXX~~

737-39714 ♂ R ✓

39751 ♂ 2 eggs ✓

25875 ♂ L ✓

39764 ♀ lg chick ✓

39762 ♀ } L ✓

39715 ♂ } ✓

39795 ♀ R ✓

39904 ♂ } lg chick ✓

20939 ♀ } ✓

20934 ♀ R ✓

82435 ♂ } R ✓

757-62927 ♂ } ✓

737-28867 ♀ 2 eggs ✓

39954 ♂ R ✓

27984 ♂ } lg chick ✓

587-83341 ♀ b ✓

737-27744 ♂ } R ✓

53219 ♀ } ✓

757-62971 ♀ R ✓

737-53425 ♂ L ✓

✓18

✓APP

AO: ~~XXX~~ ~~XX~~ ~~XX~~ ~~II~~

757-65081 ♀ } ✓R

737-49836 ♂ } ✓

757-62877 ♀ } ✓R

737-53213 ♂ } ✓

20949 ♀ ✓ lg chick

757-65183 ♀ } ✓ Sm chick

737-22845 ♂ } ✓

39789 ♂ ✓ R

587-83354 ♀ ✓ R

737-28856 ♂ } ✓ R

737-27936 ♀ } ✓

39800 ♀ ✓

568-71444 ♀ R ✓

737-20715 ♂ } lg chick ✓

28781 ♀ } ✓

28576 ♂ ✓

39976 ♀ R ✓

28637 ♀ } P ✓

49632 ♂ } ✓

49592 ♂ R ✓

Imm: ~~XXX~~ ~~III~~

AD: ~~III~~ ~~IV~~ ~~V~~ ~~VI~~ ~~VII~~ ~~VIII~~ ~~IX~~ ~~X~~ ~~XI~~ ~~XII~~ ~~XIII~~ ~~XIV~~
~~XV~~ 35

Imm: ~~III~~ ~~IV~~

✓18 ✓ADP

- 737-39950 ♀ R ✓
587-83433 ♀ R ✓
737-53407 ♂ R ✓
737-39943 ♂ R ✓
27818 ♀ R ✓
39993 ♂ lg chick ✓
20724 ♂ 2 eggs ✓
39992 ♂ lg chick ✓
82153 ♀ { sm chick
39903 ♂ } ✓
39906 ♀ dm ✓
28917 ♂ R ✓
39793 ♀ sm chick ✓
20966 ♂ R ✓
53344 ♀ 3 R ✓
757-63718 ♂ ✓
737-20736 ♂ R ✓
53216 ♂ R ✓
53438 ♀ R ✓
53259 ♂ R ✓

at NE side near blocks structure

Yr 8

✓ ADP

Ad: ~~MM~~ MM MM MM MM

35

Imm: ~~MM~~ ~~MM~~

- 737- 53272 ♀ R club ✓
587- 83523 SA U R club ✓
737- 20742 ♀ R ✓
82443 ♀ R ✓
49839 ♂ 3 R ✓
587- 83492 ♀ 3 ✓
737- 20558 ♀ R ✓
53351 ♀ 3 R ✓
28560 ♂ ✓
27746 ♀ 3 R ✓
53421 ♂ ✓
20923 ♀ R ✓
27820 ♀ 1 egg ✓
82282 SA / IMM ✓
20854 ♂ R ✓
53274 ♂ 1 egg ✓
27435 ♀ R ✓
558- 85098 ♀ R ✓
737- 20985 ♀ R ✓
27753 ♂ lg chick ✓

Ad: M, 30², 100^{clue}, 150^{clue}
MLM II

44 SO ^{encl} (not a clue)
115 SW corner (")

18

"

INM: III | ML MI MC VII II

1/18

✓APP

737-20633 ♂ R clue ✓
27754 ♂ R clue ✓
20752 ♀ R clue ✓
53258 ♀ } sm chick ✓
23502 ♂ } ✓

19 JAN, 1967

Banding

923-88501-89500 ALL ON
SOOTY TERN ADULTS
ON EGGS

SOOTY TERN RETURNS:

19 JANUARY, 1967

773-24734 ✓ 23285 ✓

25258 ✓ 28663 ✓

20355 ✓ 24724 ✓

21592 ✓ 26458 ✓

39953 ✓ 21473 ✓

24369 ✓ 29547 ✓

29035 ✓ 23177 ✓

29106 ✓ 25496 ✓

29676 ✓ 28861 ✓

39648 ✓

39514 ✓

24099 ✓

25901 ✓

20164 ✓

29730 ✓

20073 ✓

26933 ✓

24726 ✓

24223 ✓

VADP

19 JAN

VAXP

793-31150 ✓ 46193

47835 ✓

46741 ✓

45398 ✓

46454 ✓

45587 ✓

48911 ✓

46801 ✓

45847 ✓

30442 ✓

47854 ✓

47470 ✓

30150 ✓

30683 ✓

48400 ✓

49179 ✓

30798 ✓

49669 ✓

46223 ✓

44984 ✓

19 JAN

✓ADP

843 - 37042 ✓ 38803 ✓

35263 ✓

38751 ✓

36698 ✓

35969 ✓

36934 ✓

37954 ✓

36991 ✓

35543 ✓

55669 ✓

37664 ✓

38463 ✓

36642 ✓

37087 ✓

38636 ✓

35219 ✓

36359 ✓

37764 ✓

36630 ✓

37020 ✓

1A TRAP

863-81480 B.S. ✓

50810 ✓

✓ADP

10 JAN

✓ADP

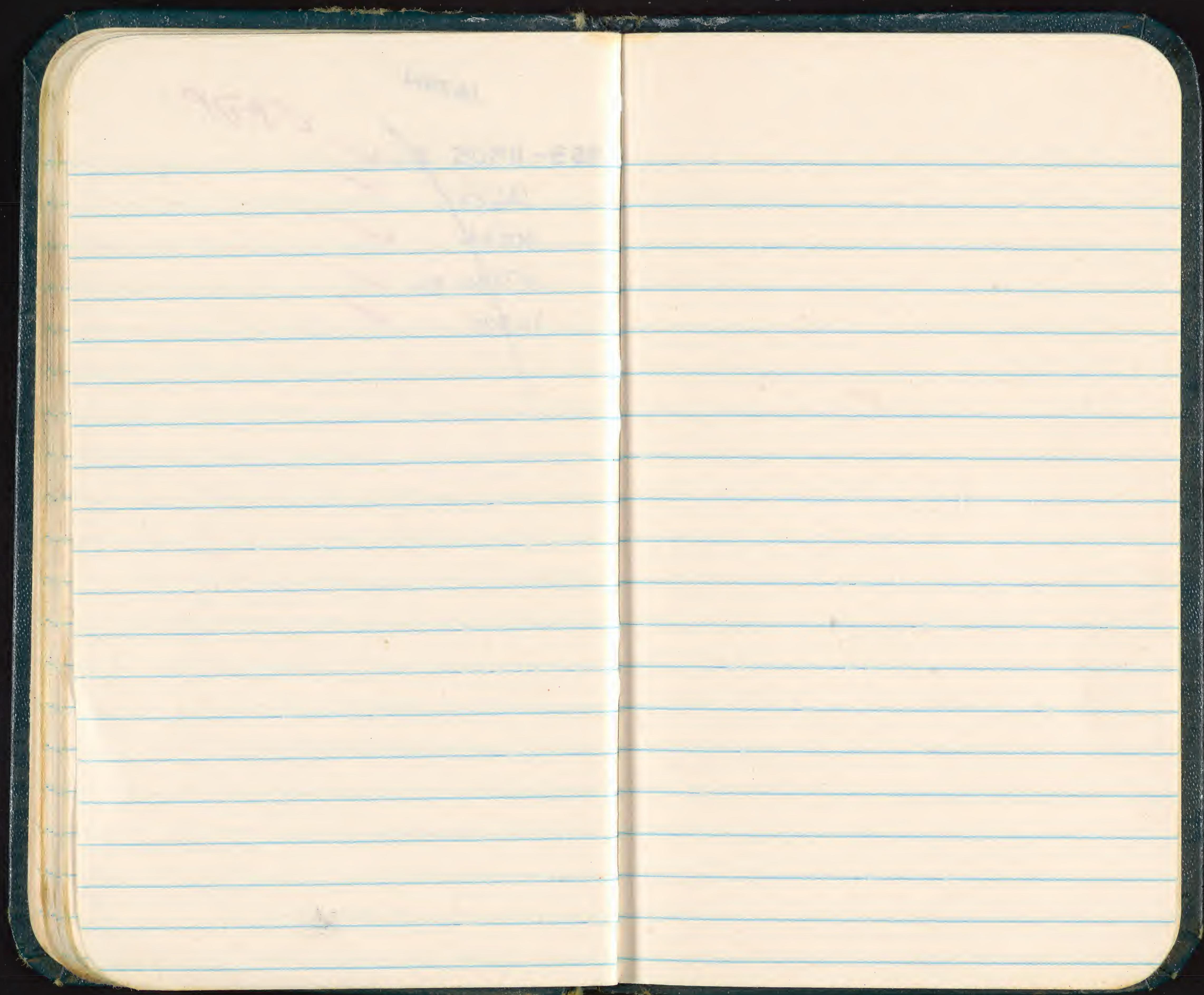
953-11905 B.S. ✓

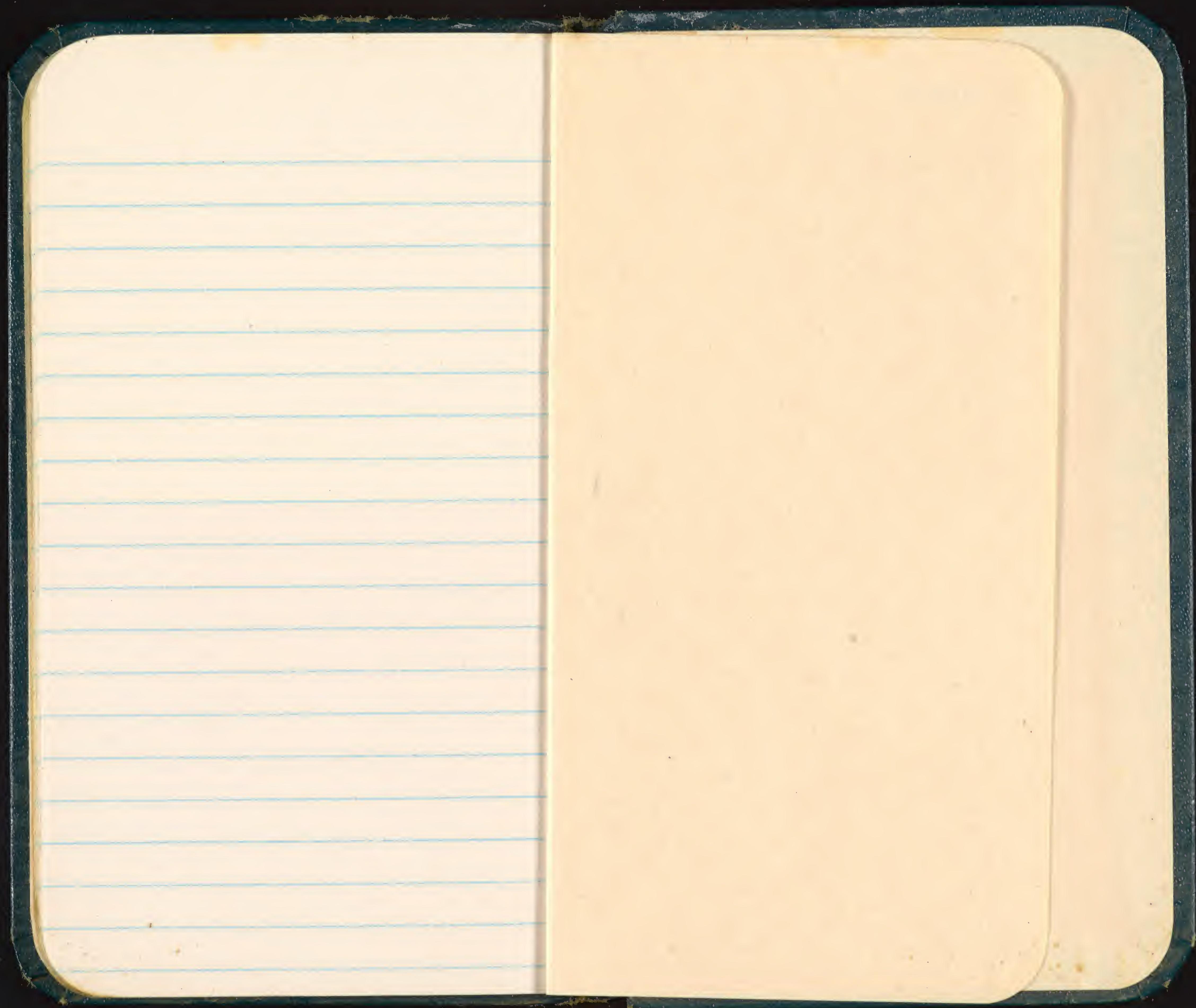
10627 ✓

00234 ✓

07540 B.S. ✓

16375 ✓





WRITE

7530-222-0076
FEDERAL SUPPLY SERVICE

600 043-16-73126-2